

FIG. 1a

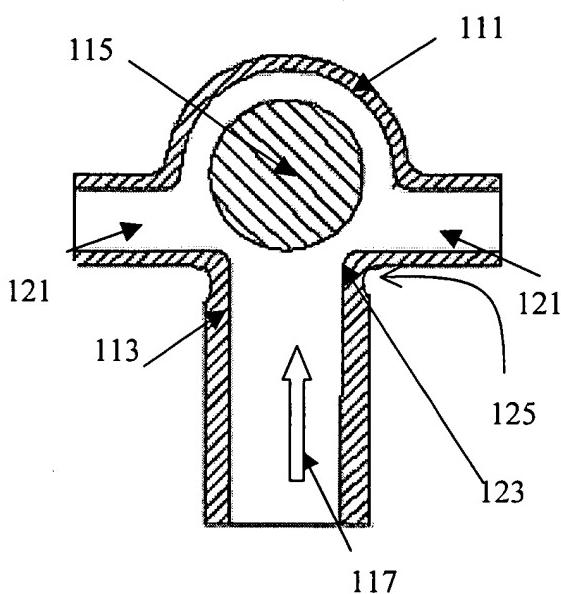


FIG. 1b

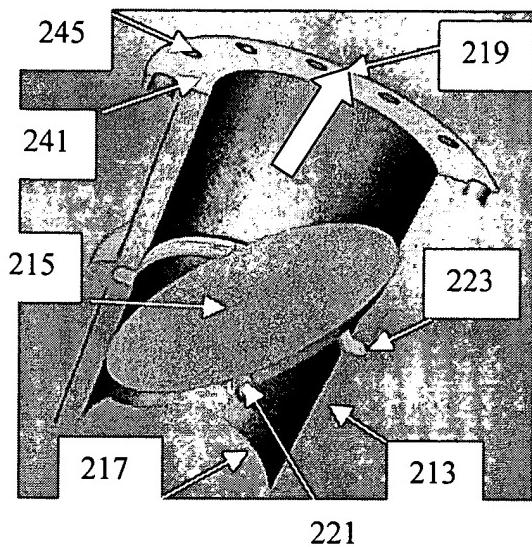


FIG. 2a

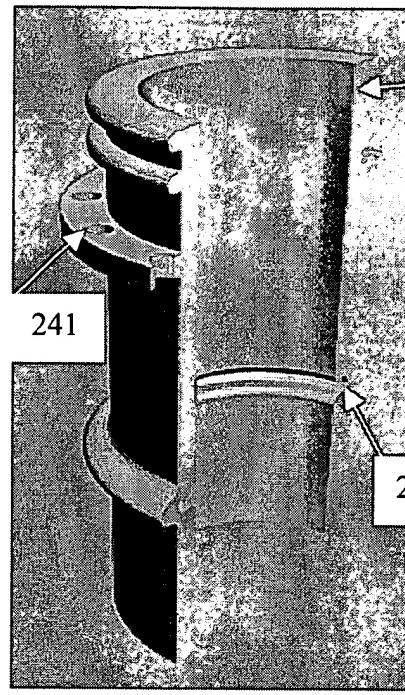


FIG. 2b

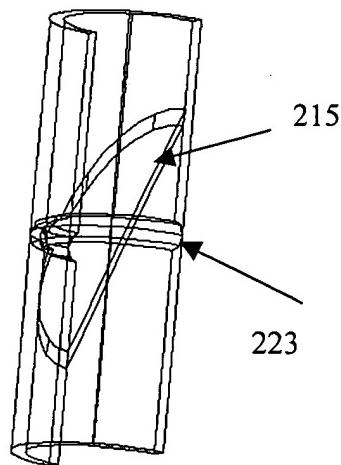


FIG. 2c

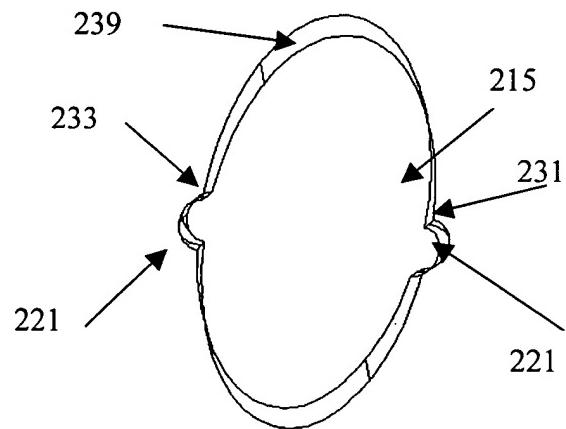


FIG. 2d

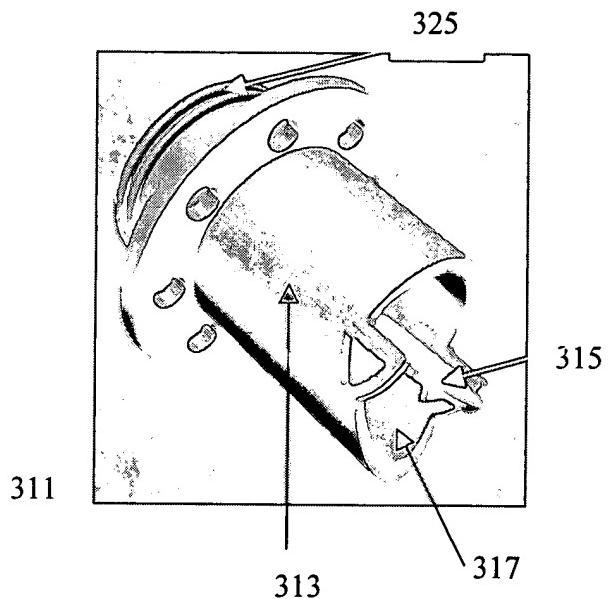


FIG. 3a

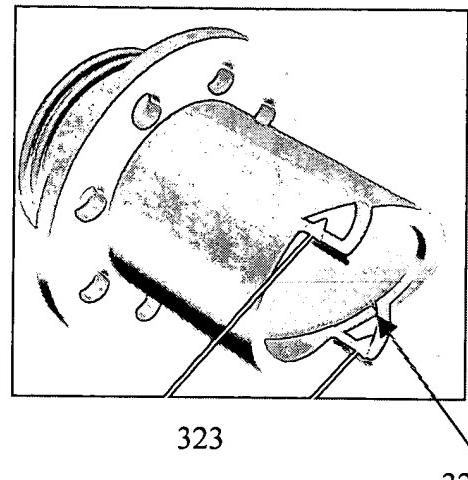


FIG. 3b

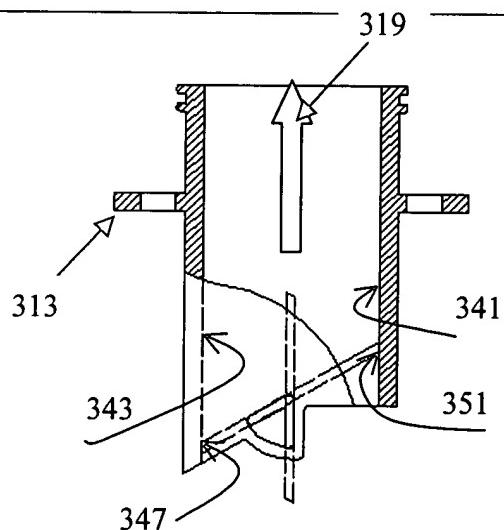


FIG. 3c

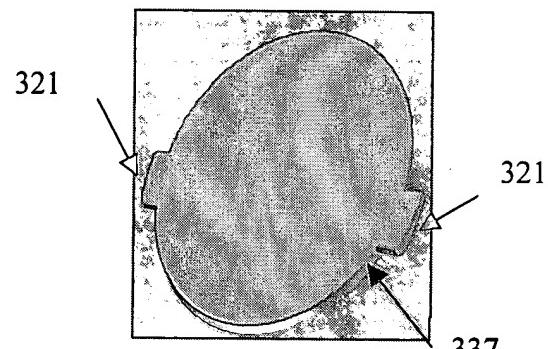


FIG. 3d

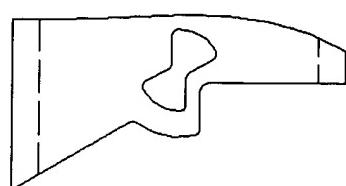


FIG. 3e

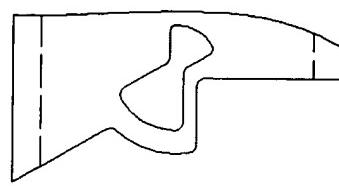


FIG. 3f



FIG. 3g

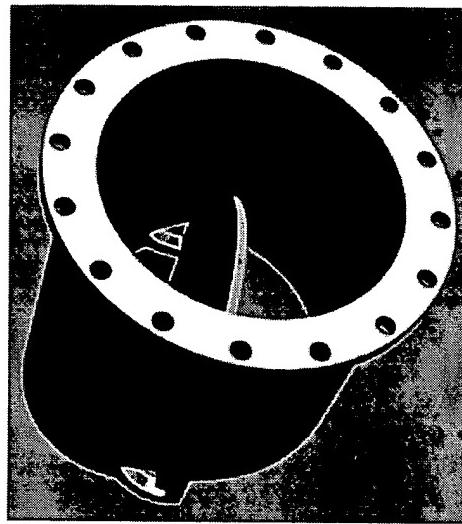


FIG. 3h

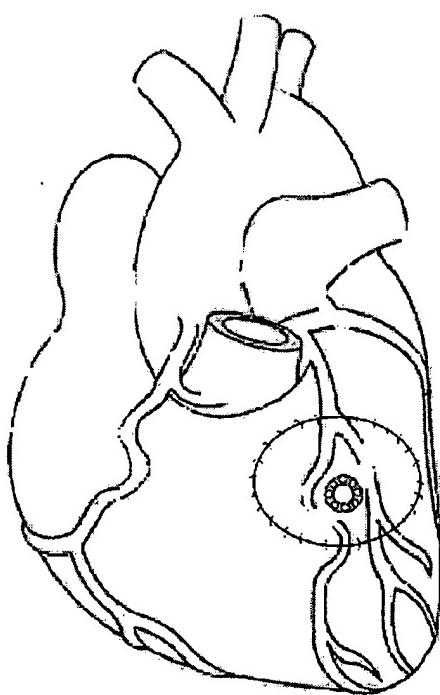


FIG. 3i

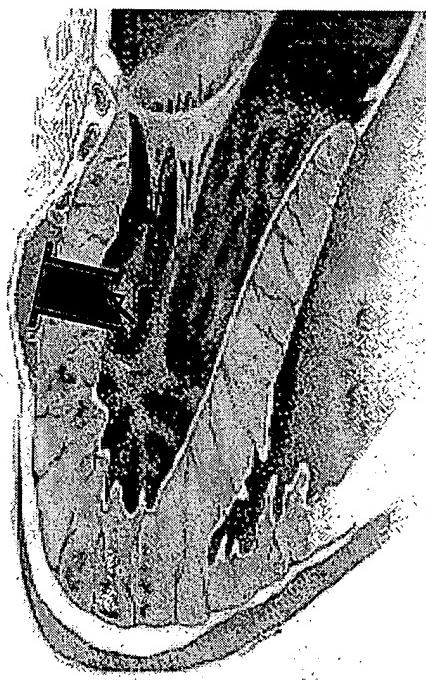
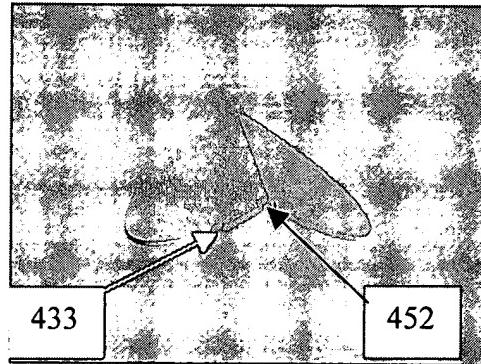
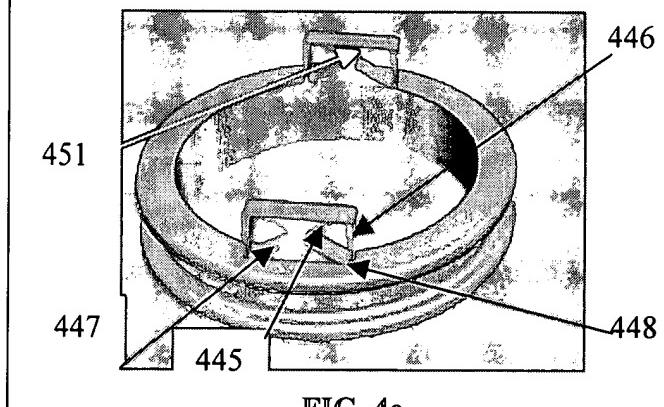
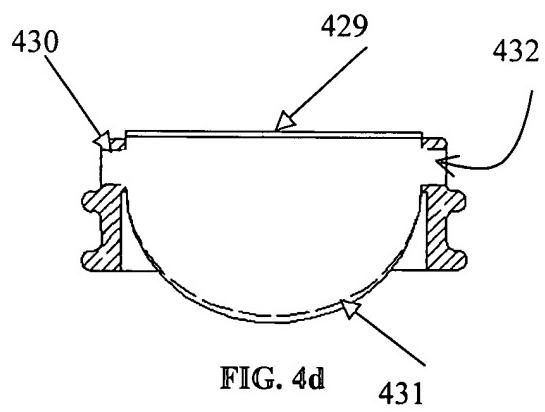
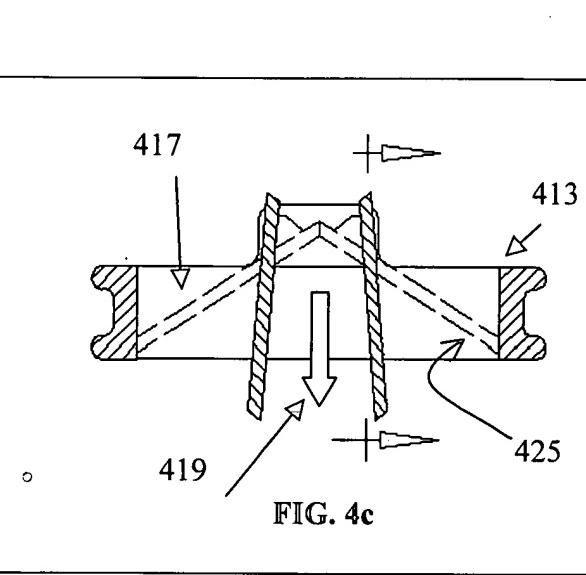
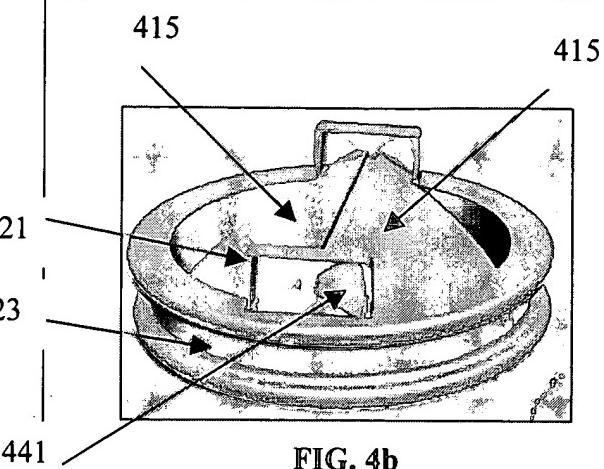
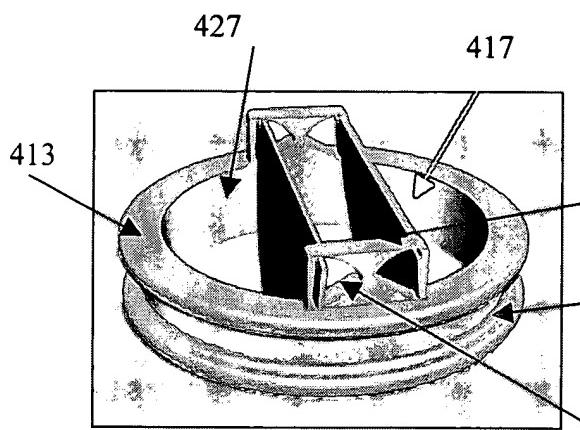


FIG. 3j



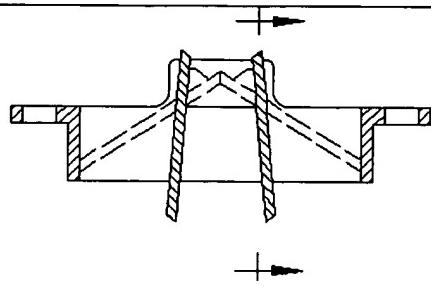


FIG. 4g

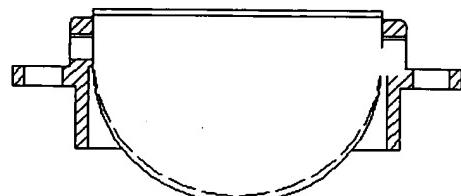


FIG. 4h

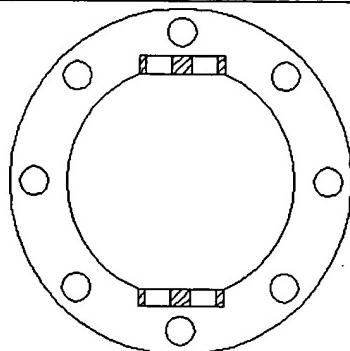


FIG. 4i

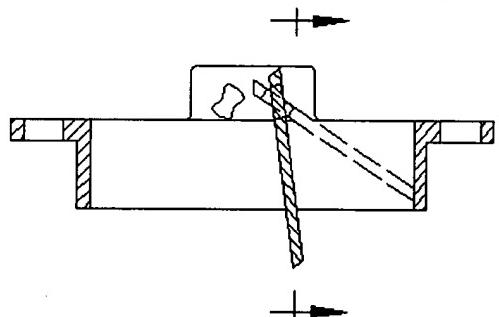


FIG. 4j

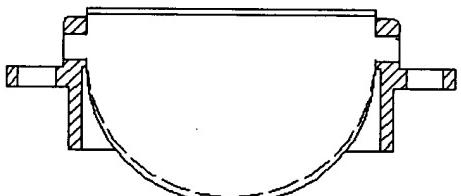
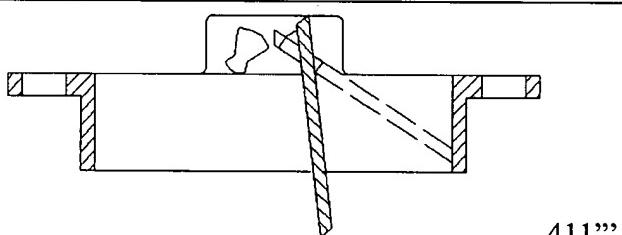


FIG. 4k



411'''

FIG. 4l

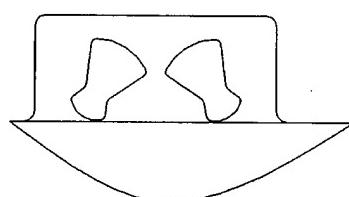
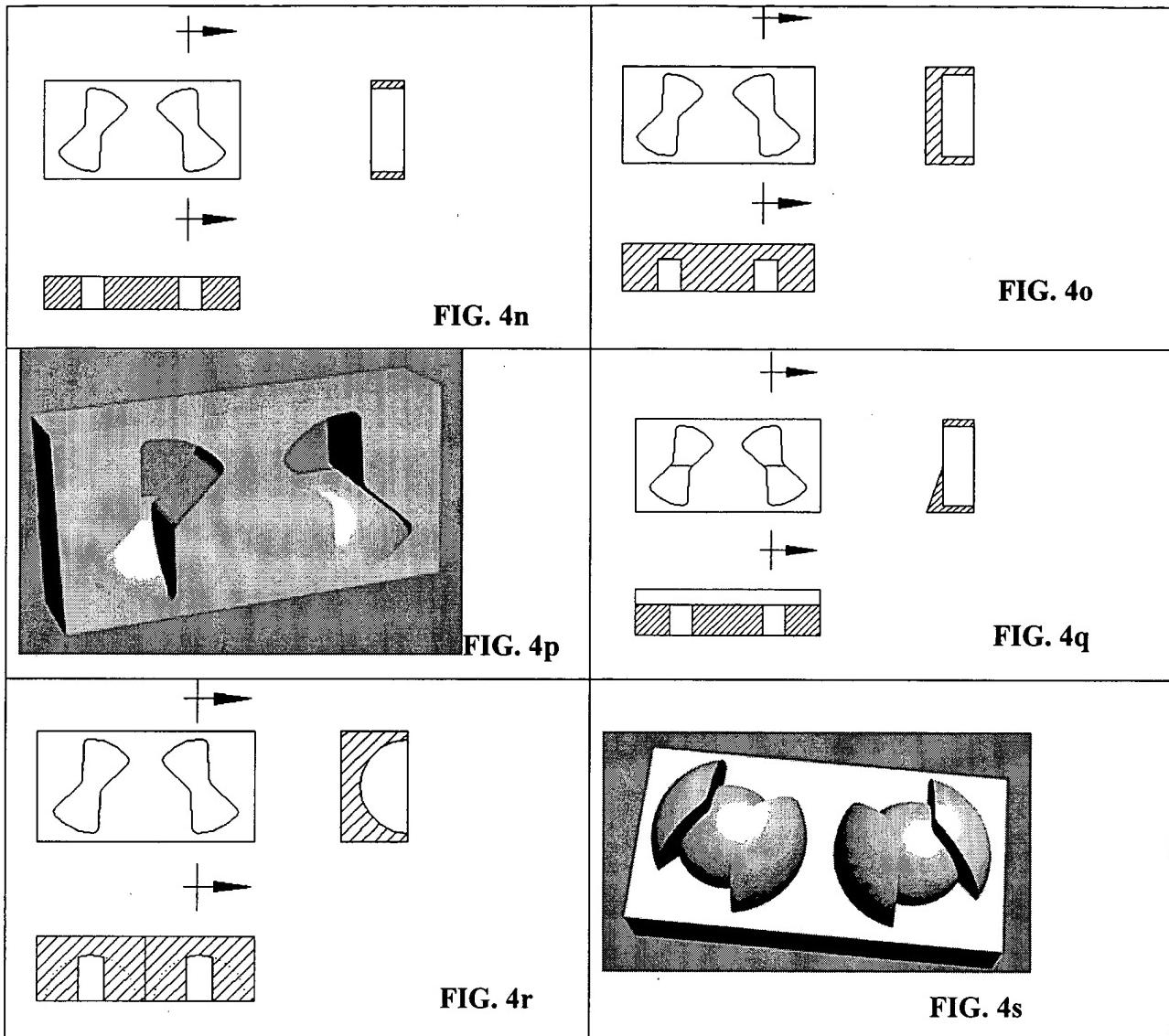


FIG. 4m



514

512

516

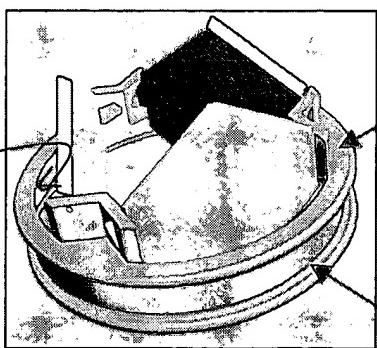


FIG. 5a

526

524

522

518

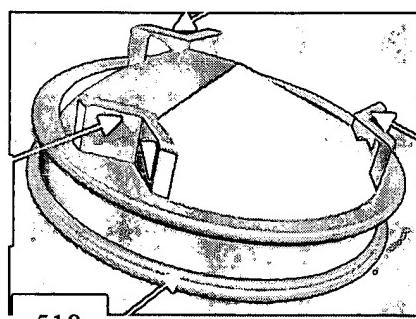


FIG. 5b

528

530

532

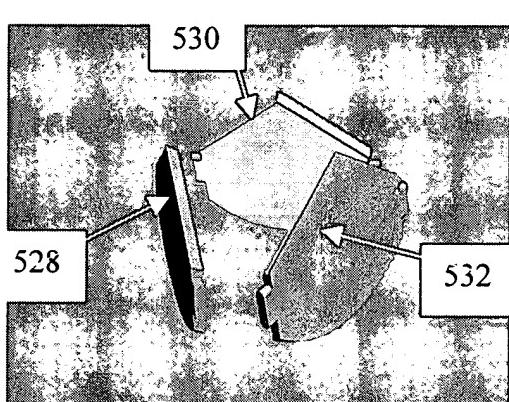


FIG. 5c

560

558

562

556

570

572

564

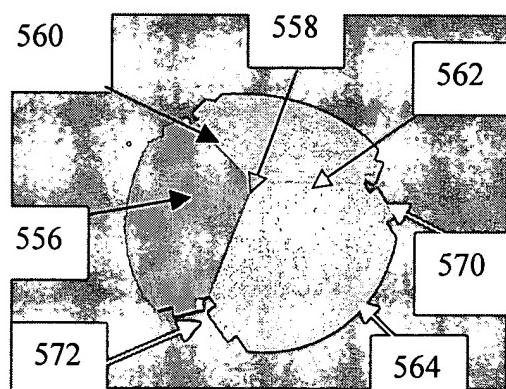


FIG. 5d

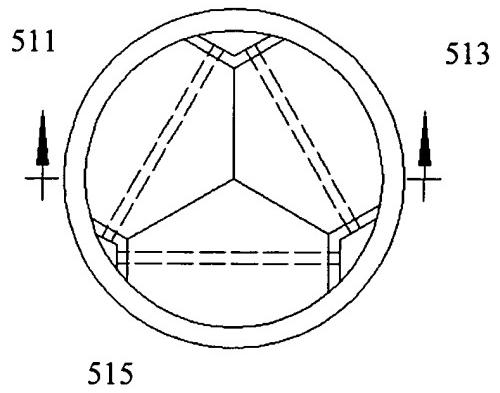


FIG. 5e

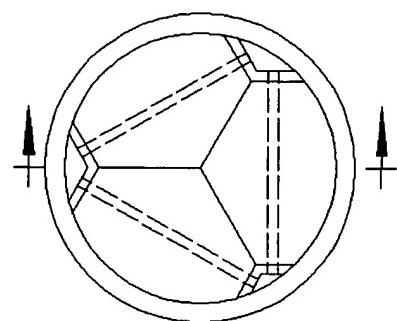


FIG. 5f

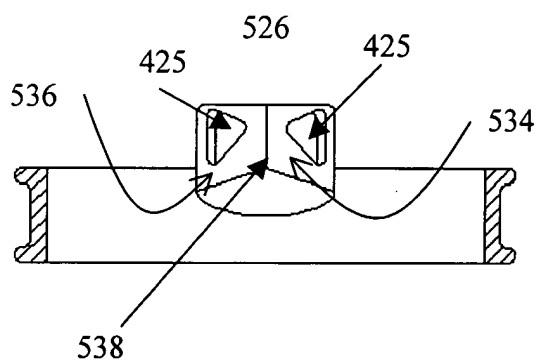


FIG. 5g

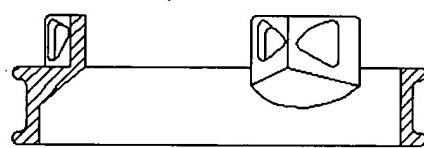


FIG. 5h

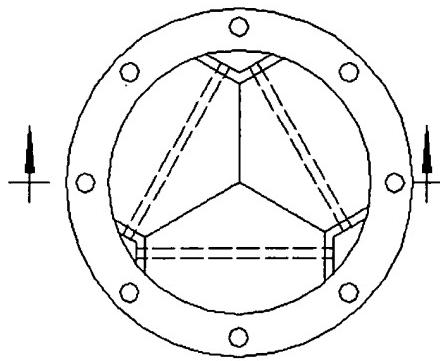


FIG. 5i

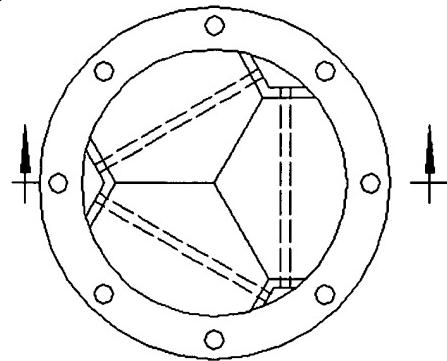


FIG. 5j

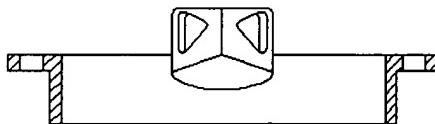


FIG. 5k

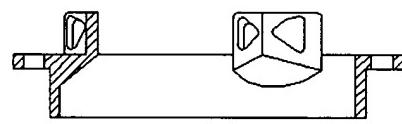


FIG. 5l

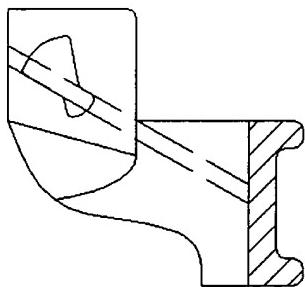


FIG. 5m

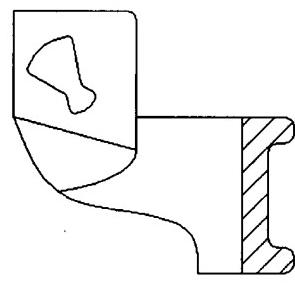


FIG. 5n

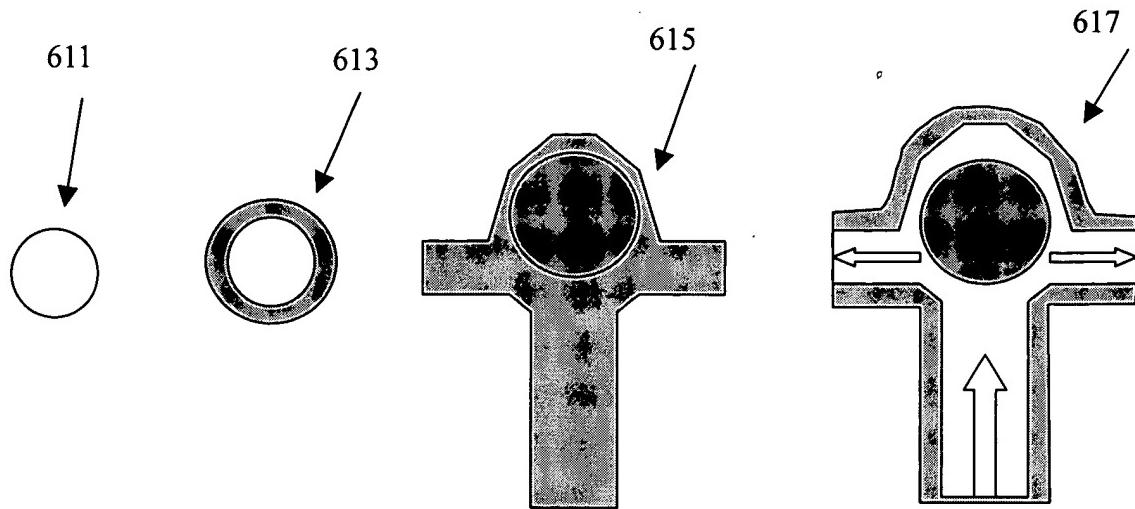


FIG. 6

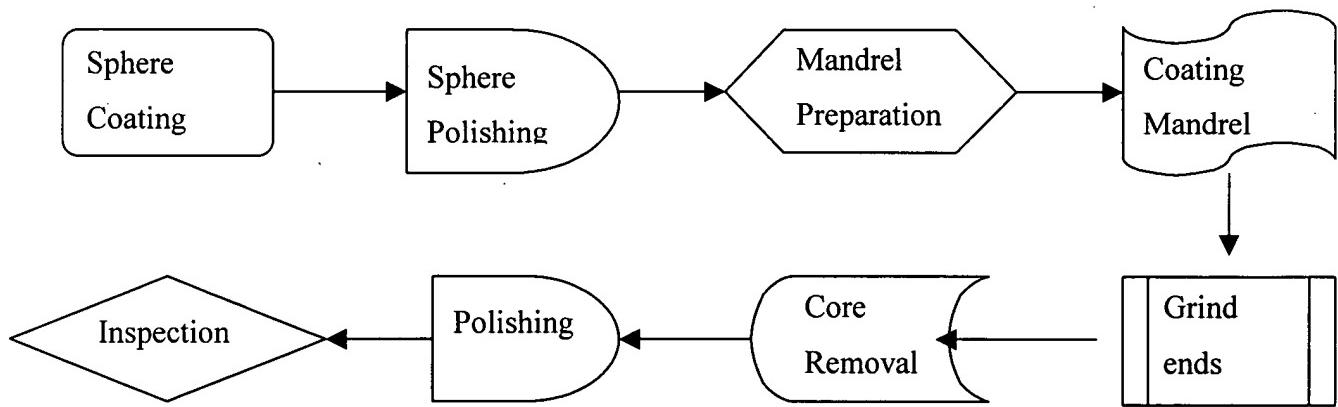


FIG. 7

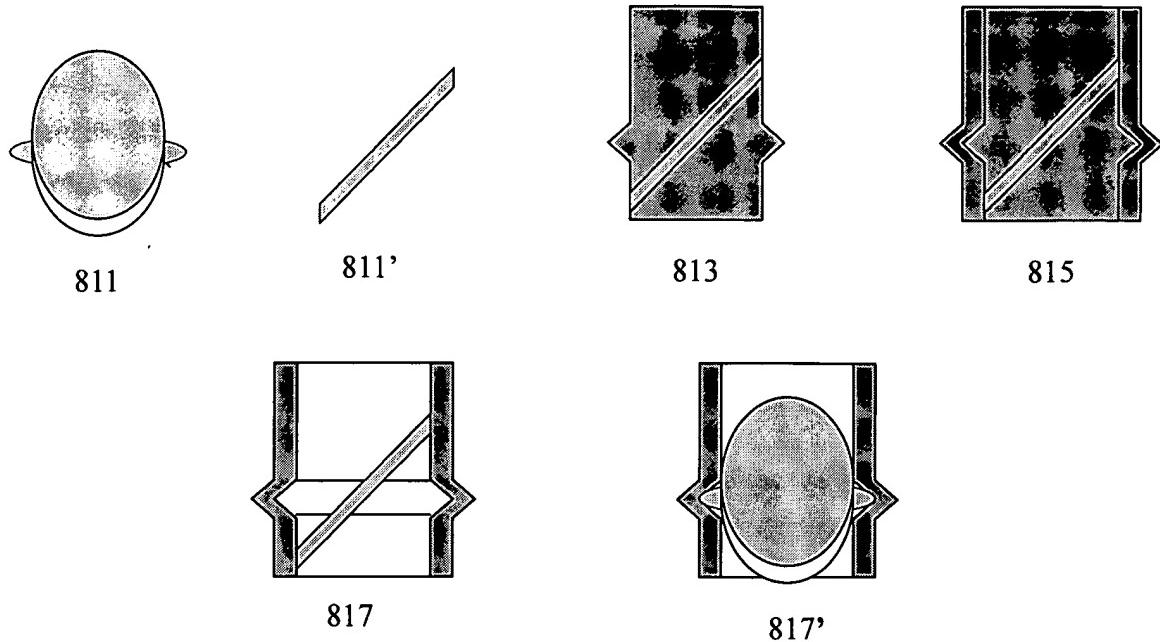


FIG. 8

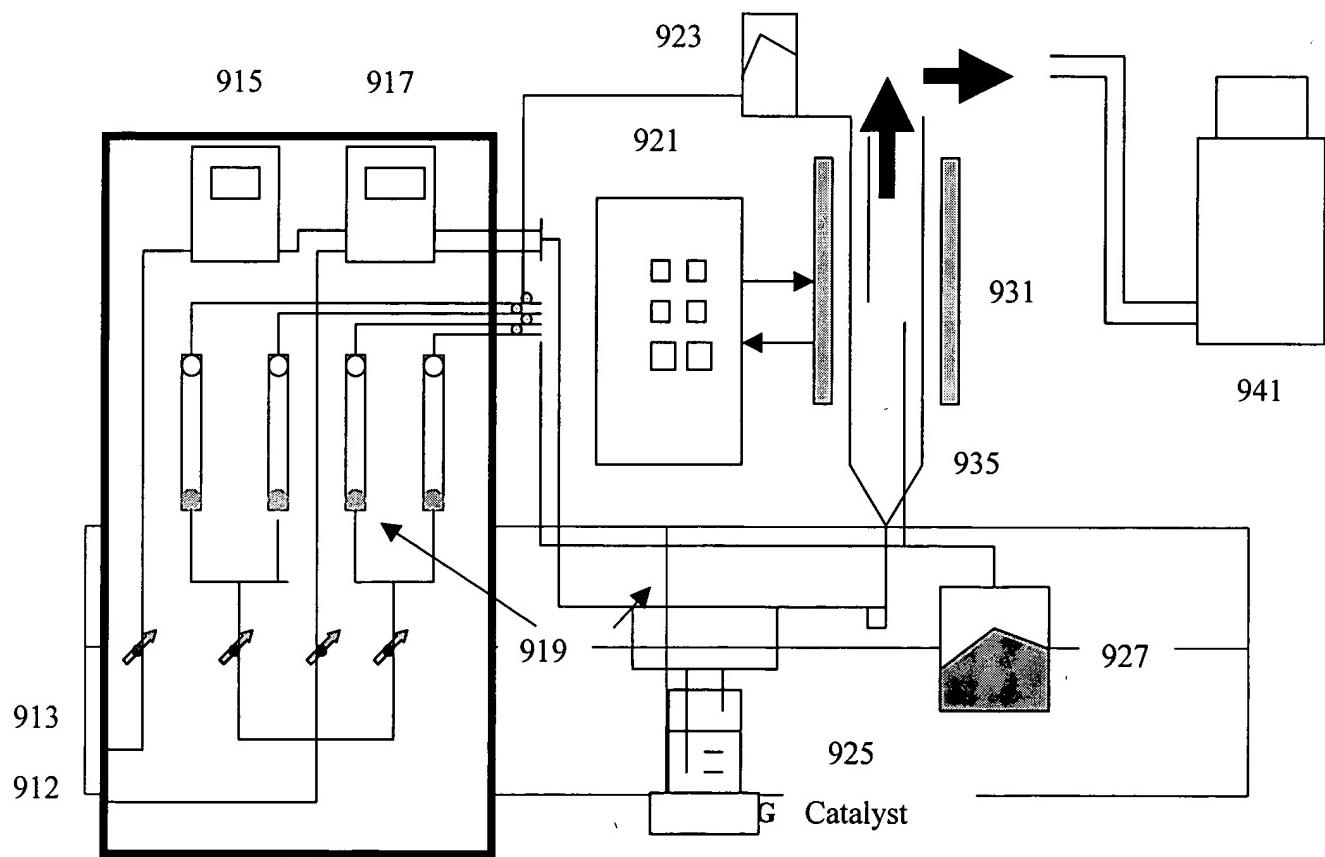


FIG. 9

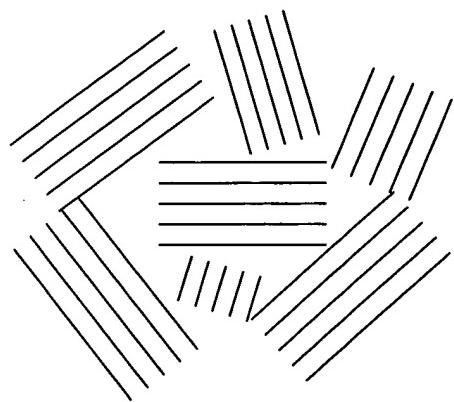


FIG. 10a

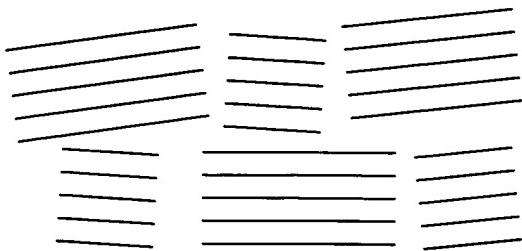
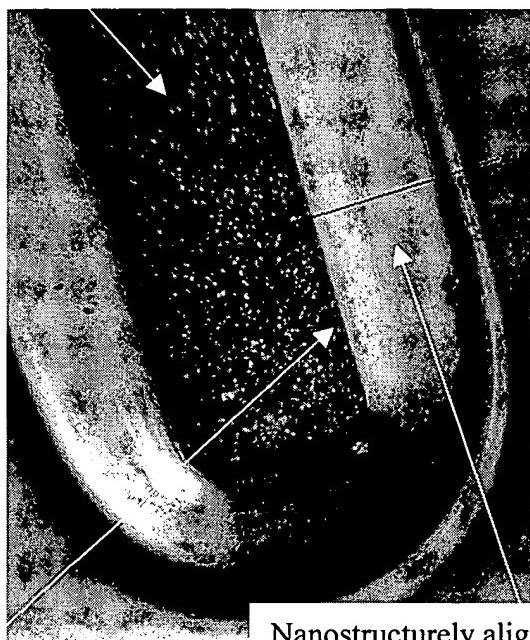


FIG. 10b

Carbon fiber reinforced
graphite substrate



Nanostructurally aligned surface layer

Carbon nanofiber reinforced PyC

FIG. 11